

# Part 573 Safety Recall Report

# 21V-533

**Manufacturer Name :** Ford Motor Company**Submission Date :** AUG 23, 2021**NHTSA Recall No. :** 21V-533**Manufacturer Recall No. :** 21S33**Manufacturer Information :**

Manufacturer Name : Ford Motor Company

Address : 330 Town Center Drive

Suite 500 Dearborn MI 48126-2738

Company phone : 1-866-436-7332

**Population :**

Number of potentially involved : 56

Estimated percentage with defect : 100 %

**Vehicle Information :**

Vehicle 1 : 2021-2021 Ford F-150

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : NR

**Descriptive Information :** Ford's team reviewed supplier process and maintenance records to determine the population of affected parts. The Ford process is capable of tracing electronic brake booster production to the vehicle in which the brake booster is installed. Affected vehicles were built with electronic brake boosters which had been incorrectly manufactured at the supplier. Ford vehicles are not produced in VIN order and we typically cannot provide VIN specific information. However, in this instance Ford is able to provide the specific VIN list – see attachment VINs.

Production Dates : DEC 11, 2020 - JAN 31, 2021

VIN Range 1 : Begin : NR

End : NR

 Not sequential**Description of Defect :**

**Description of the Defect :** Affected vehicles were built with electronic brake boosters that were incorrectly manufactured by the supplier, creating a leak path for brake fluid to migrate into the electronic control unit (ECU).

FMVSS 1 : NR

FMVSS 2 : NR

**Description of the Safety Risk :** A brake booster with an incomplete clinch between the pressure sensor and the brake booster housing will cause brake fluid to leak through the pressure sensor into the brake booster control unit. Customers may experience longer pedal travel, higher pedal efforts and reduced braking, increasing the risk of a crash.

**Description of the Cause :** Electronic brake boosters were assembled by the supplier with a tool that did not adequately secure the pressure sensor to the brake booster housing.

**Identification of Any Warning that can Occur :** If brake fluid leaks into the ECU, the following cluster indicators will illuminate:  
ABS Lamp = ON  
ESC Lamp = ON  
Brake Lamp (Boost) = ON.

## Involved Components :

**Component Name 1 :** Electronic Brake Booster

**Component Description :** Electronic Brake Booster

**Component Part Number :** ML34-2D335-AR

## Supplier Identification :

### Component Manufacturer

**Name :** ZF Active Safety and Electronics US LLC

**Address :** 12001 Tech Center Drive  
Livonia Michigan 48150

**Country :** United States

## Chronology :

Chronology is provided as an attachment.

## Description of Remedy :

**Description of Remedy Program :** Owners will be notified by mail and instructed to take their vehicle to a Ford or Lincoln dealer to have the electronic brake booster assembly replaced. There will be no charge for this service. Ford is excluding reimbursement for costs because the original warranty program would provide for a free repair for this concern. Ford will forward a copy of the notification letters to dealers to the agency when available.

**How Remedy Component Differs** The remedy electronic brake boosters (Part number: ML34-2D335-AR) will have a complete clinch between the pressure sensor and the brake

from Recalled Component : booster housing.

Identify How/When Recall Condition was Corrected in Production : N/A

## Recall Schedule :

Description of Recall Schedule : Notification to dealers for the additional vehicles is expected to occur on August 23, 2021. Mailing of additional owner notification letters is expected to begin September 6, 2021 and is expected to be completed by September 10, 2021.

Planned Dealer Notification Date : AUG 23, 2021 - AUG 23, 2021

Planned Owner Notification Date : SEP 06, 2021 - SEP 06, 2021

\* NR - Not Reported